

Fig. 1(a)

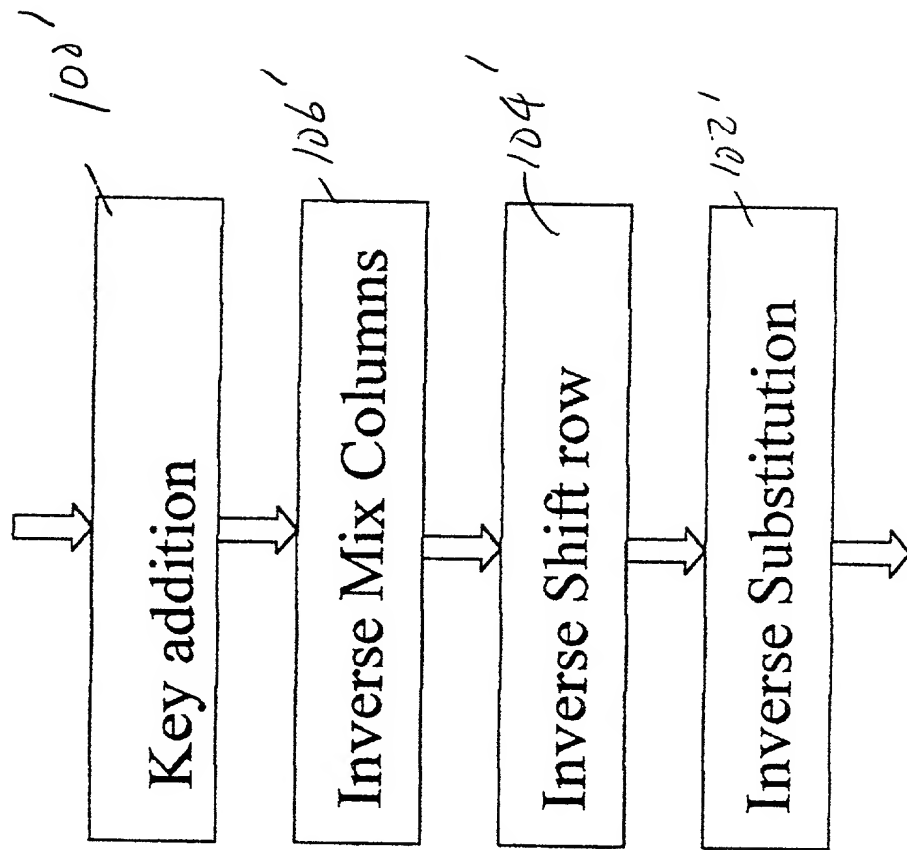


Figure 1(b)

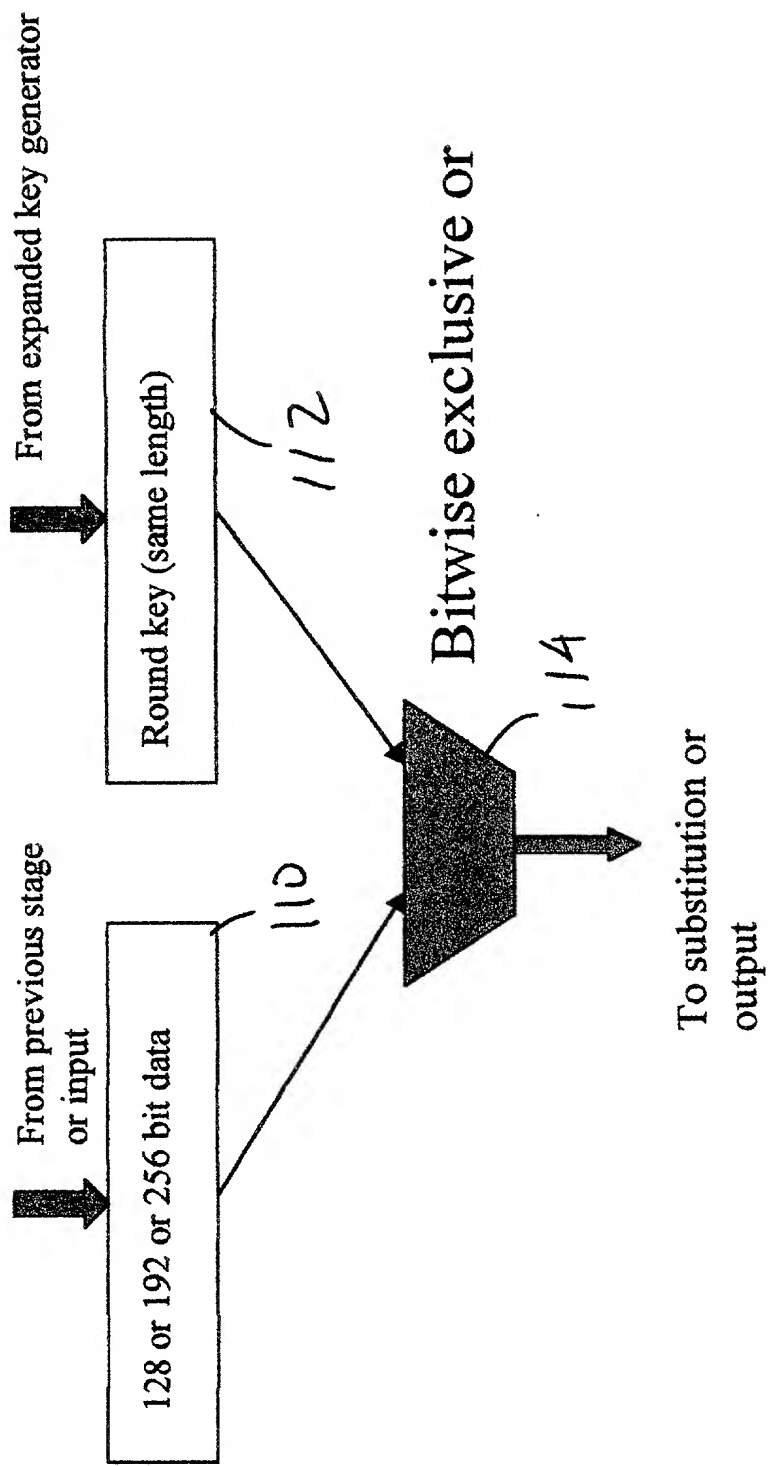


Fig. 2

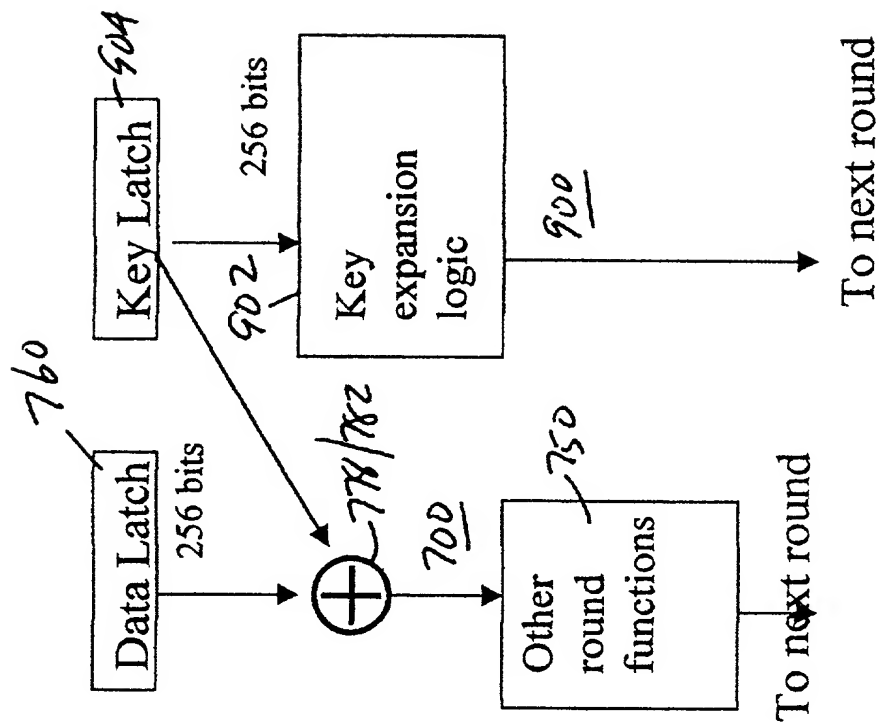


Fig. 39

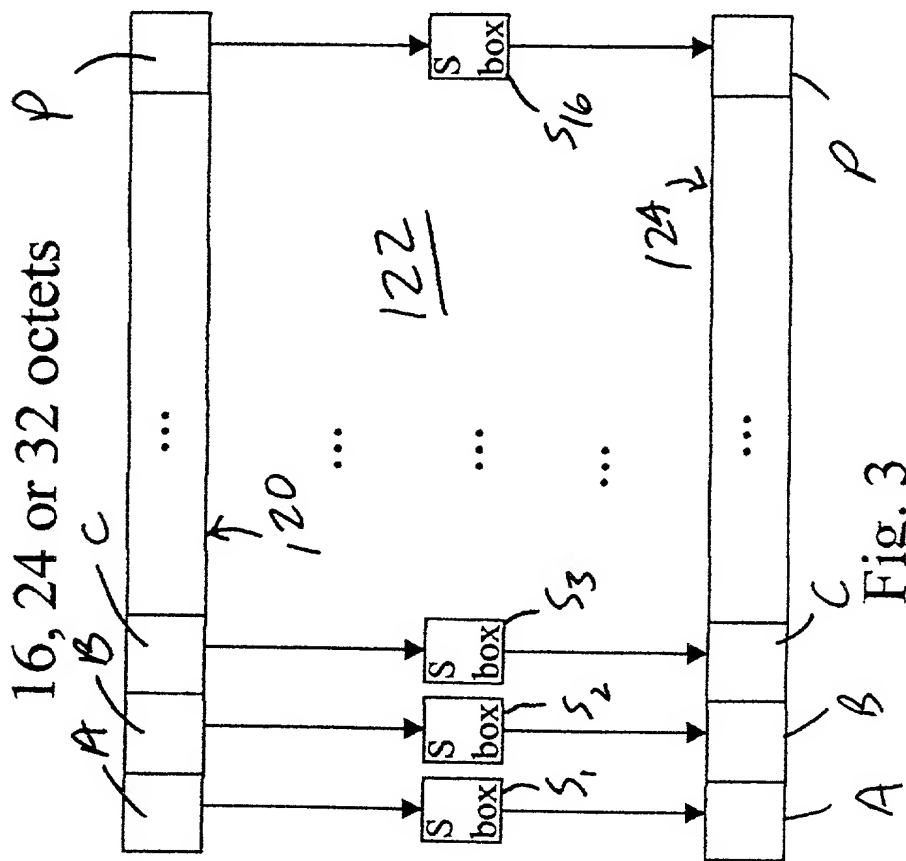


Fig. 3

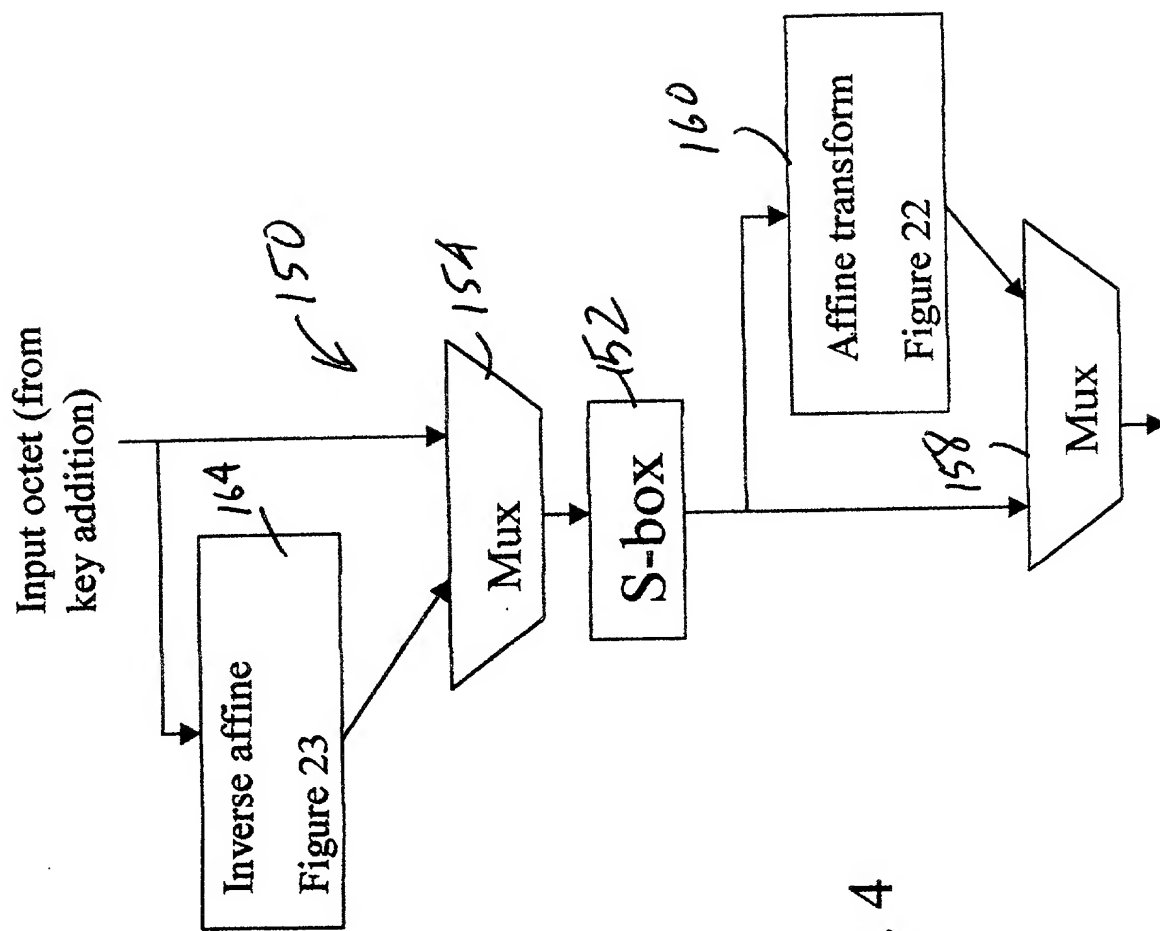
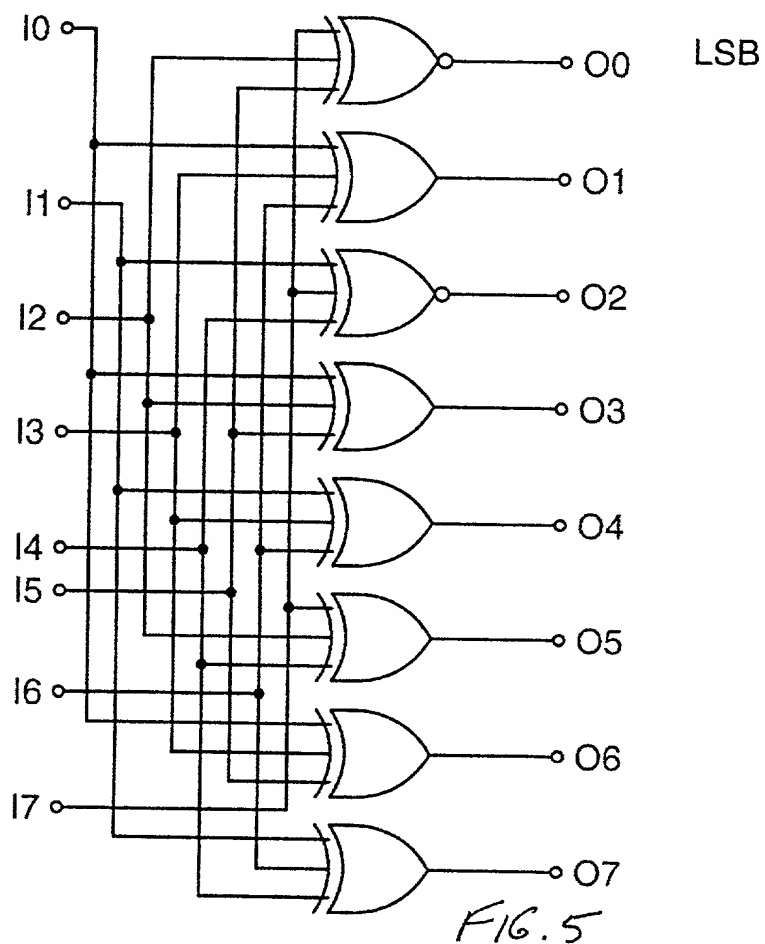


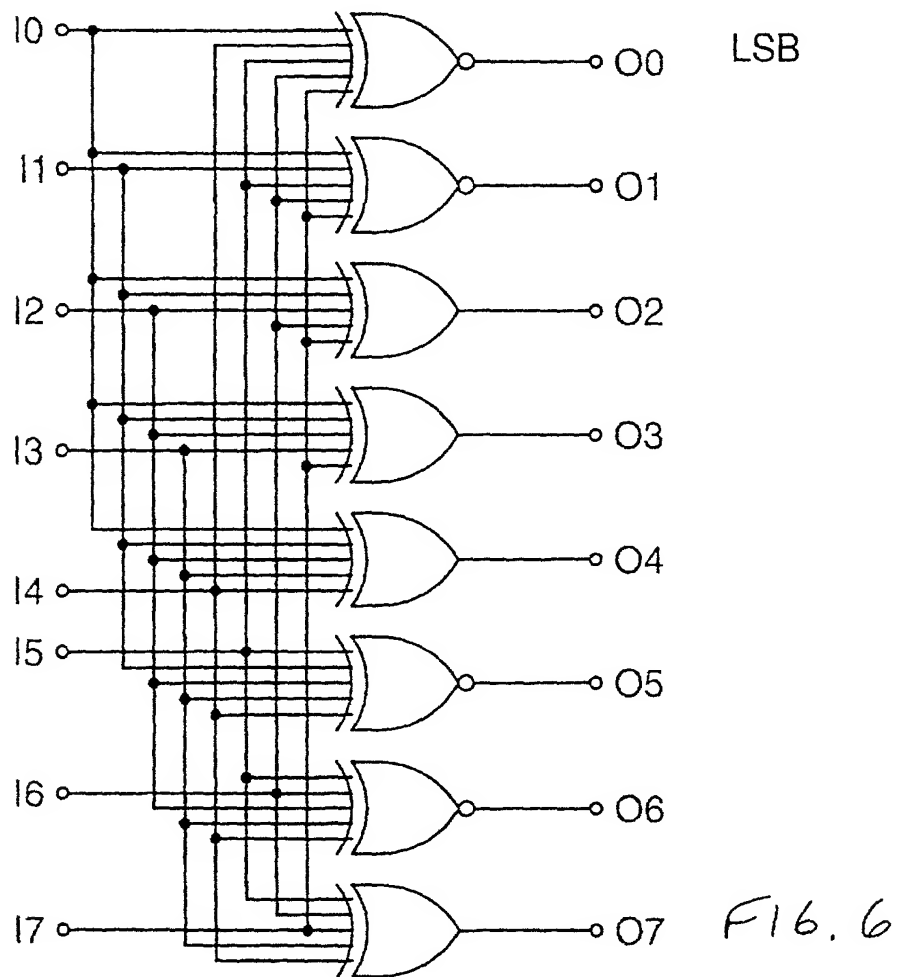
Fig. 4

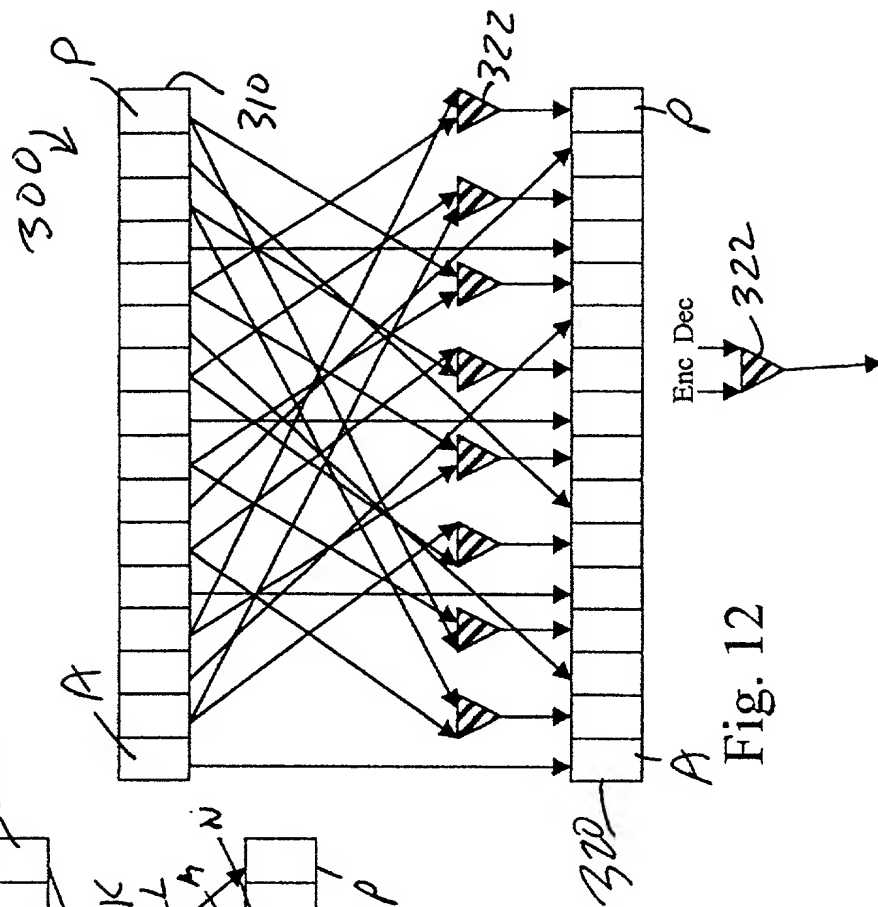
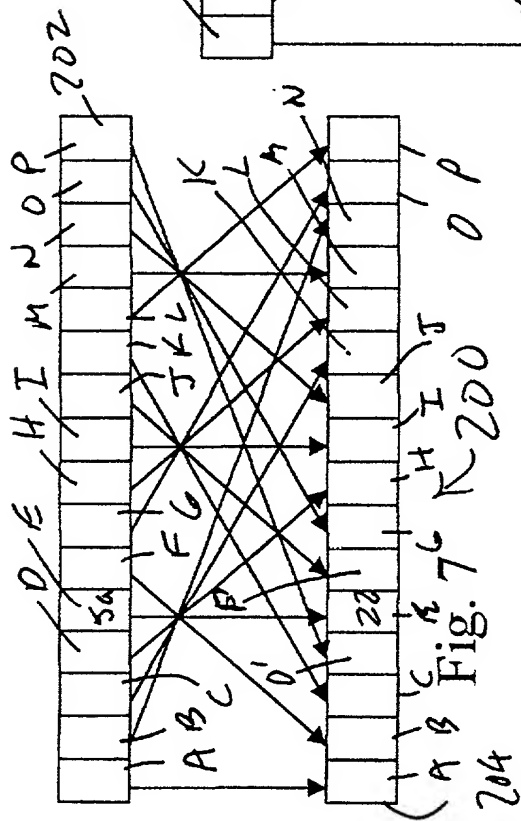
Inverse Affine transform, decryption S-Box pre-processing



2044007 2004007

Affine transform, encryption S-Box post processing





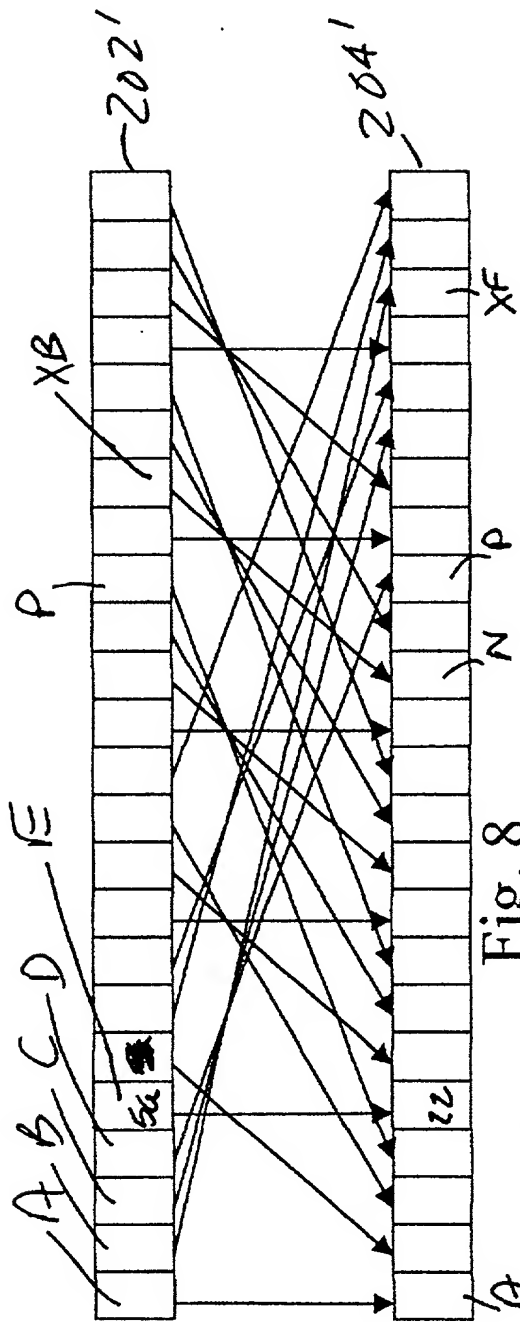


Fig. 8

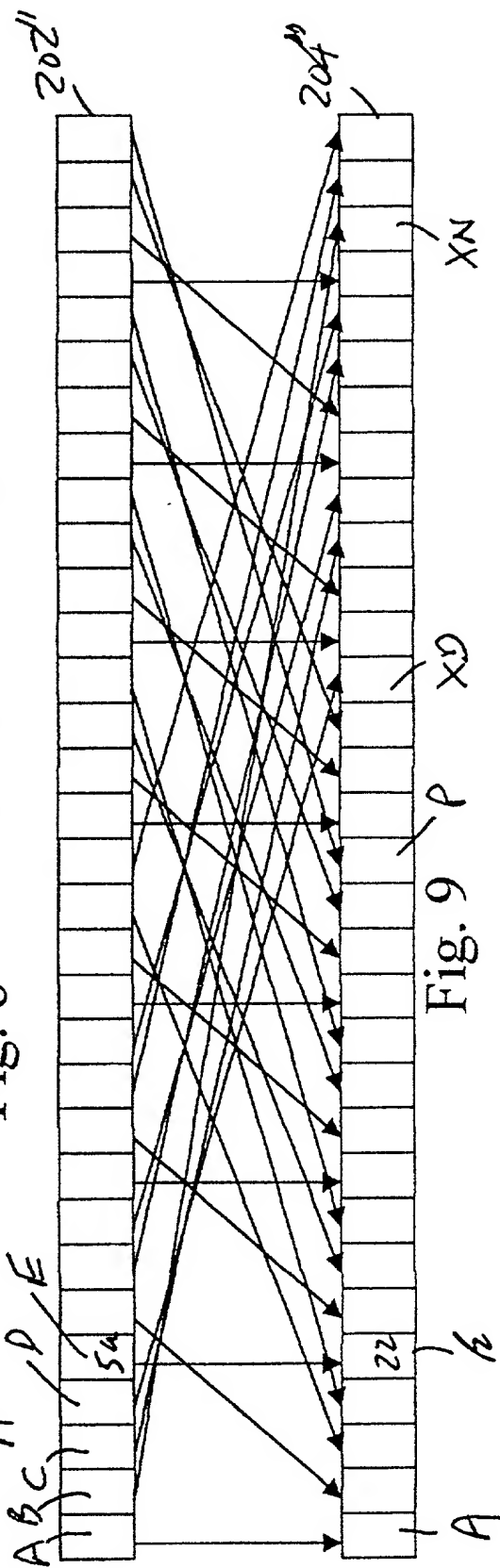


Fig. 9

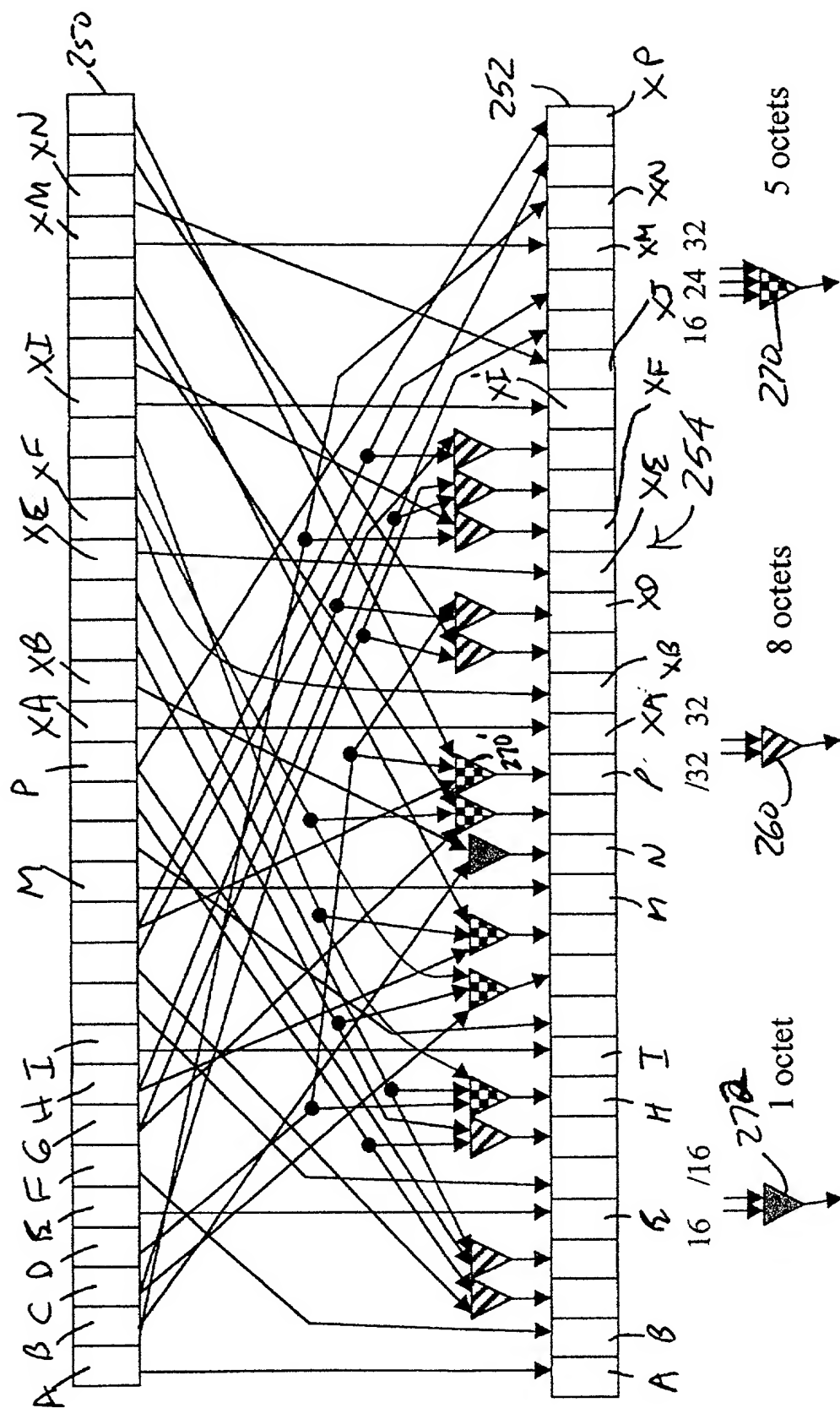


Fig. 10

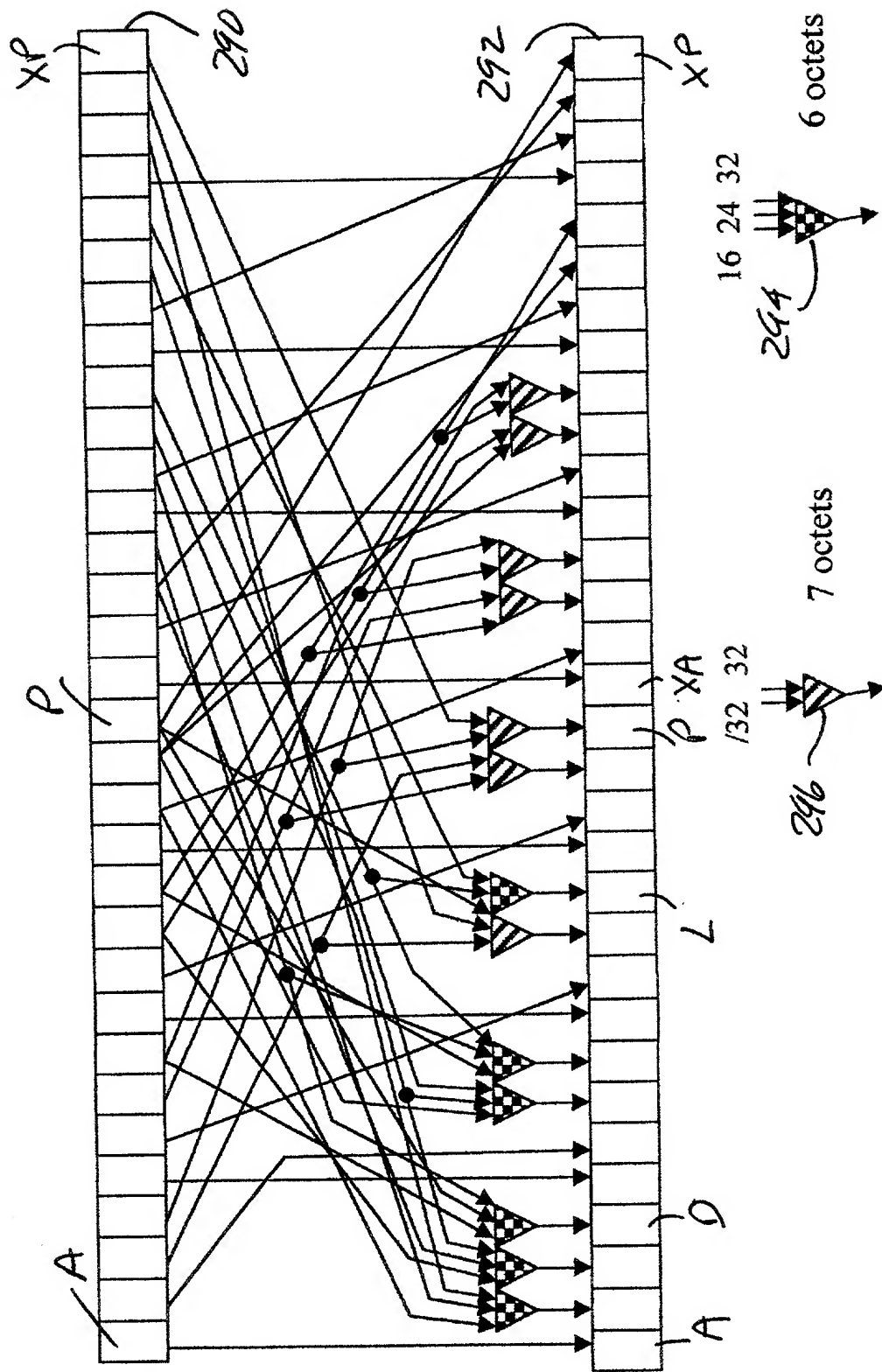


Fig. 11

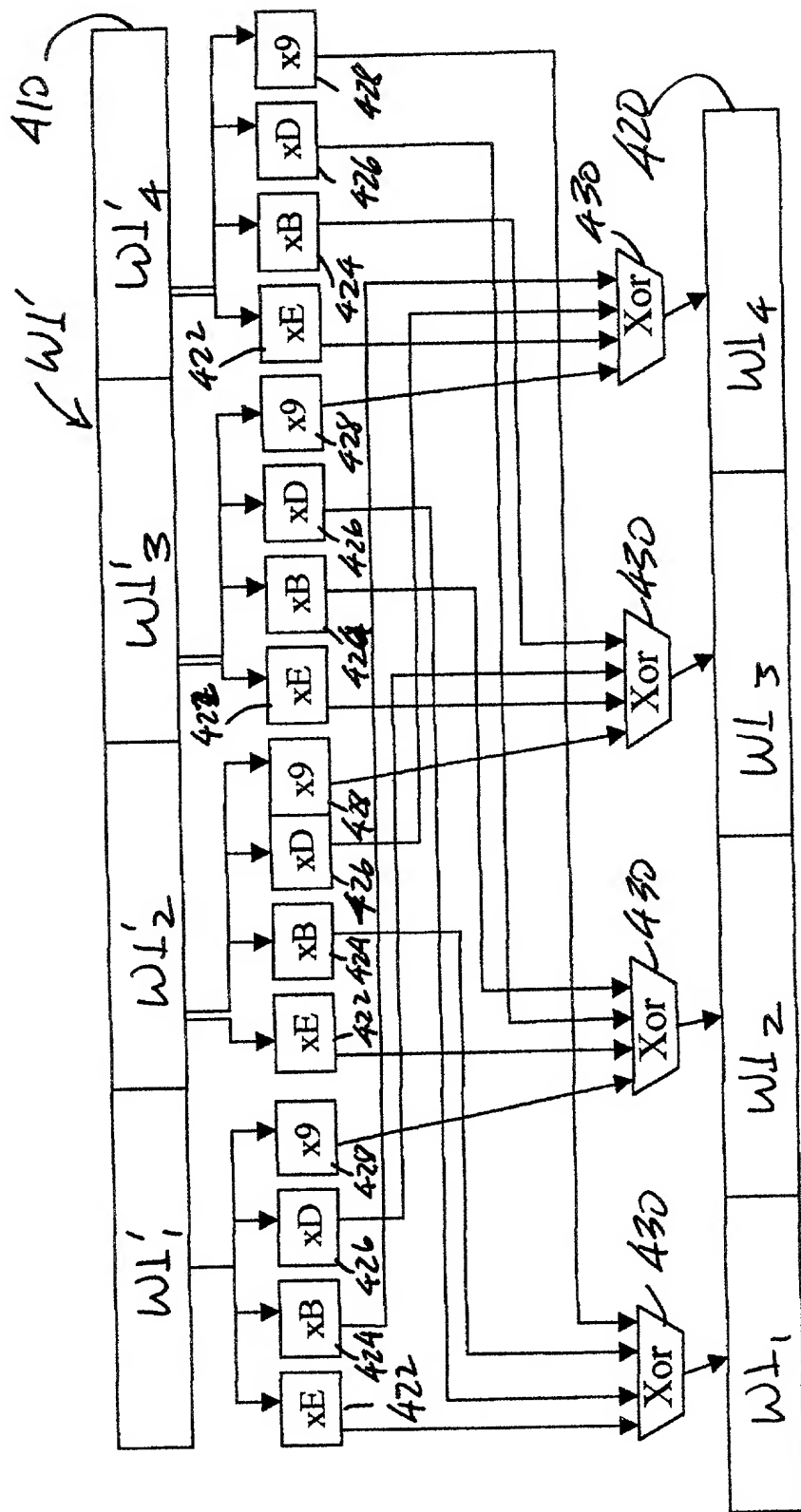


Fig. 14

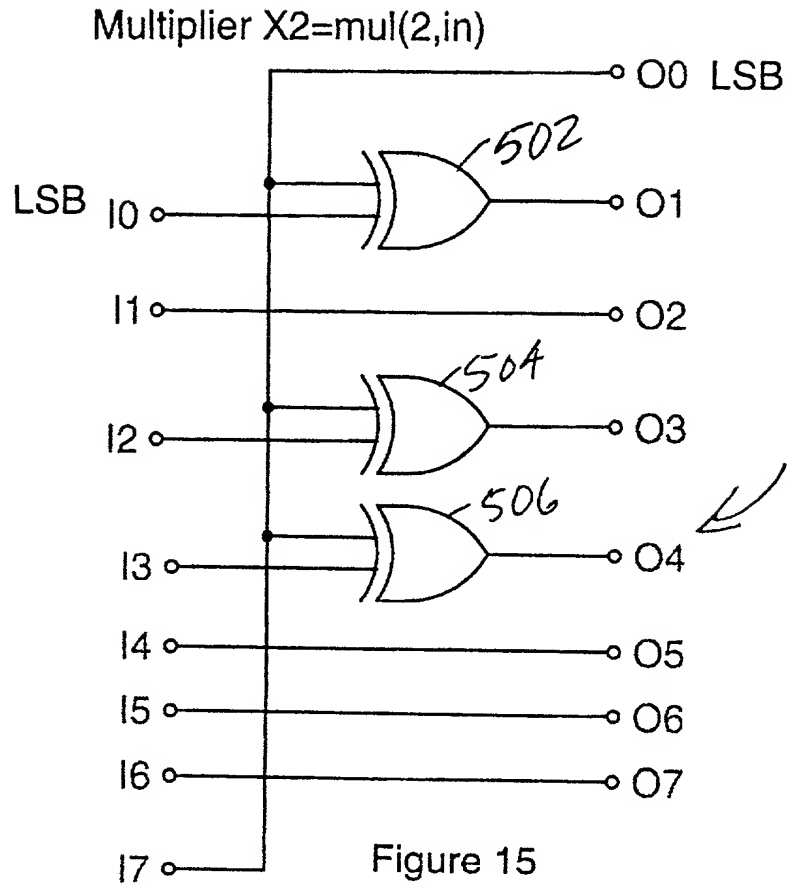


Figure 15

Multiplier X3=mul(3,in)

10 11 12 13 14 15 16 17

510 512 514 516 518 520 522 524

00 01 02 03 04 05 06 07

LSB MSB

366

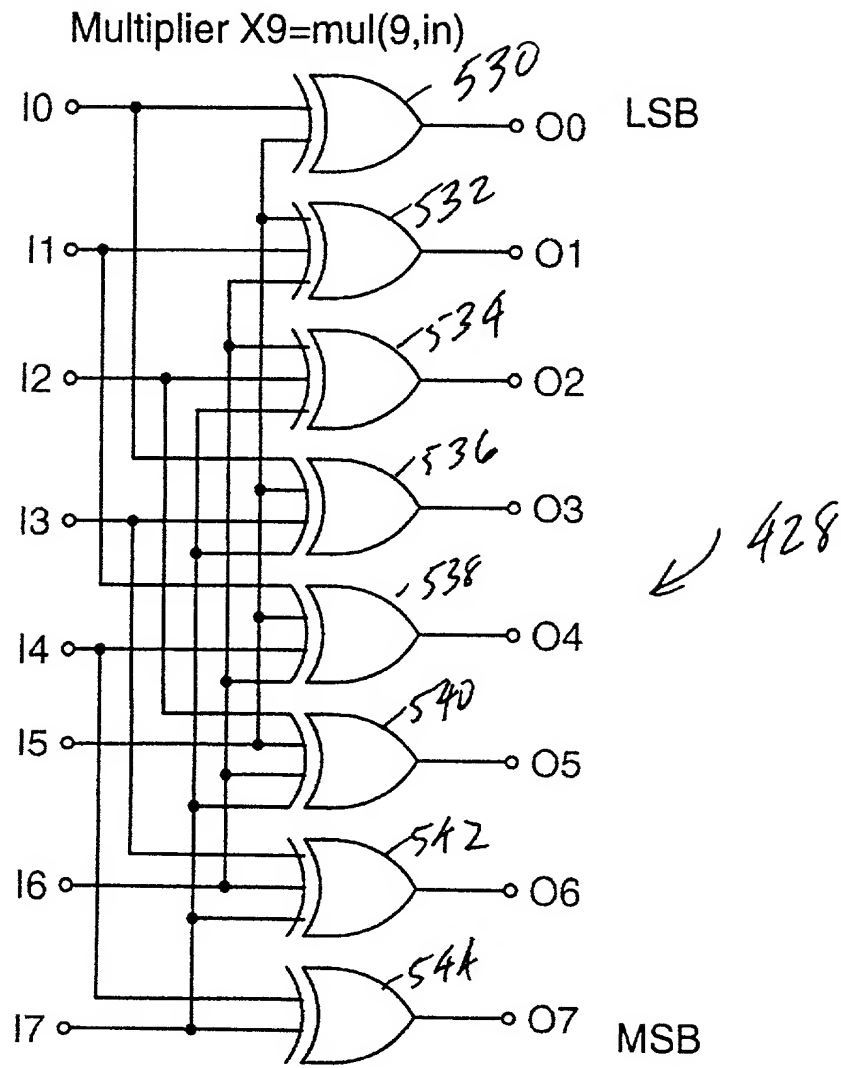


Figure 17

00000000 00000000 00000000 00000000

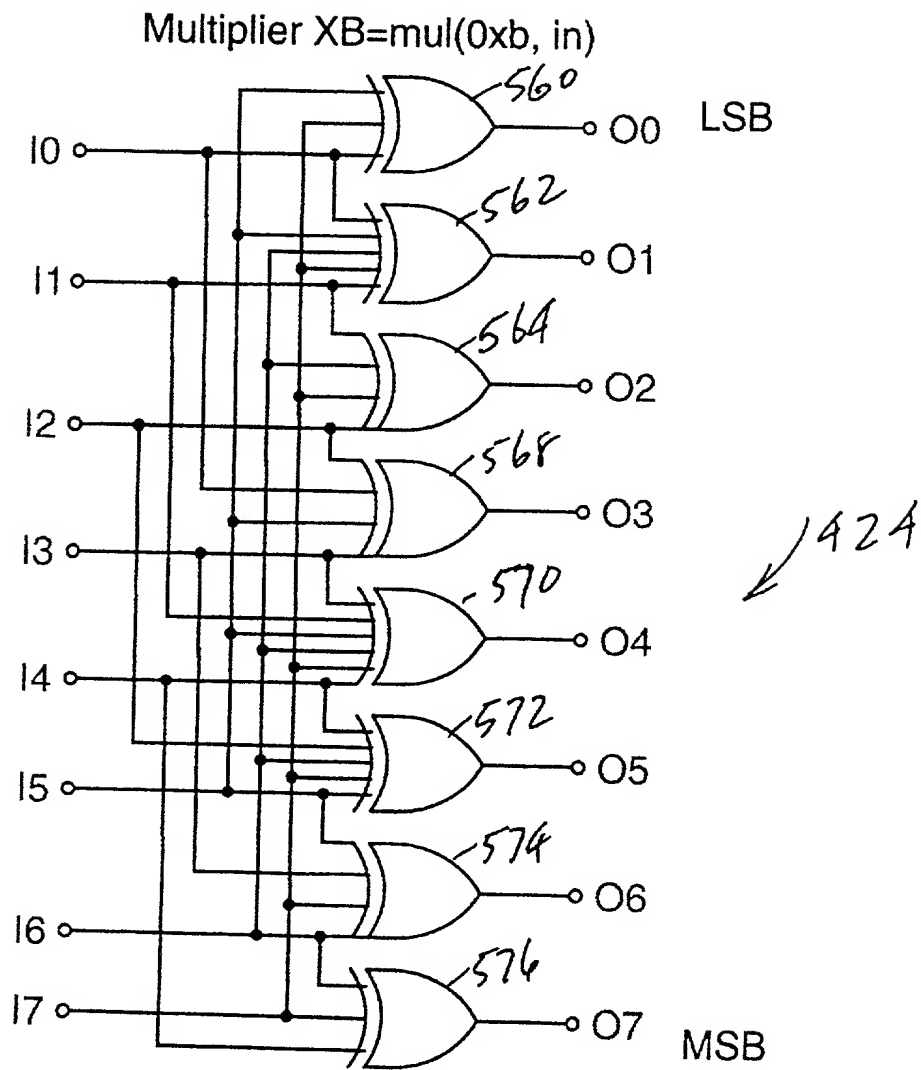


Figure 18

20140407 23004001

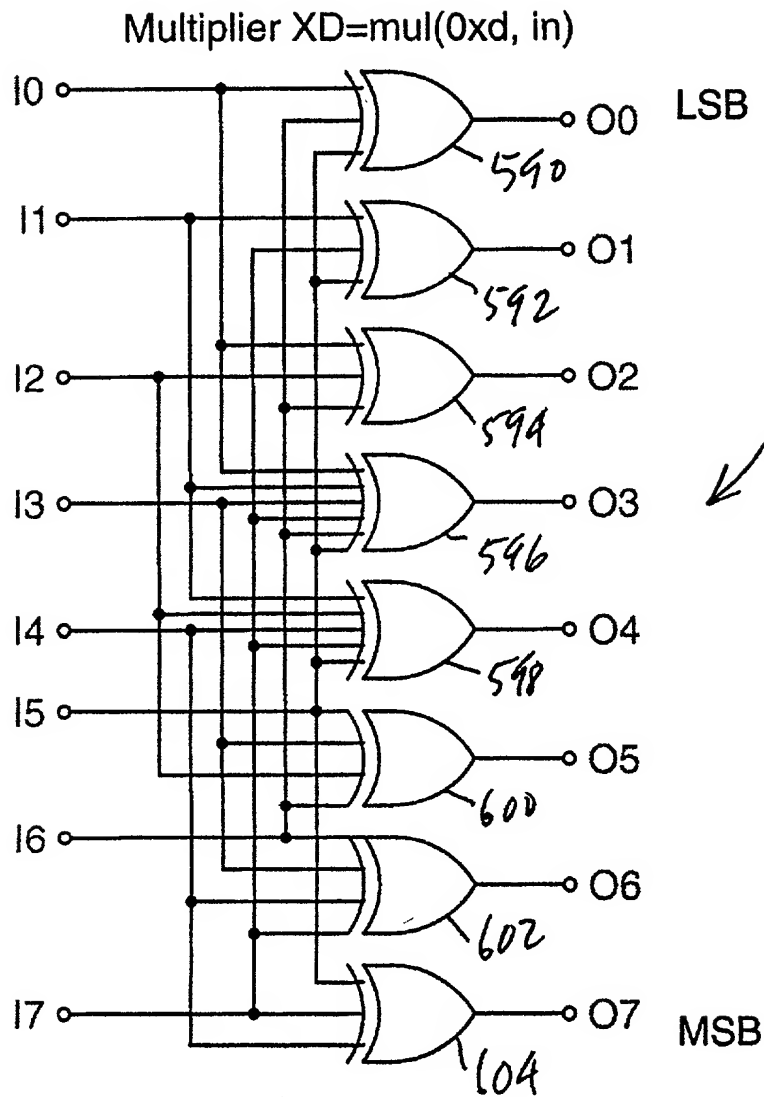


Figure 19

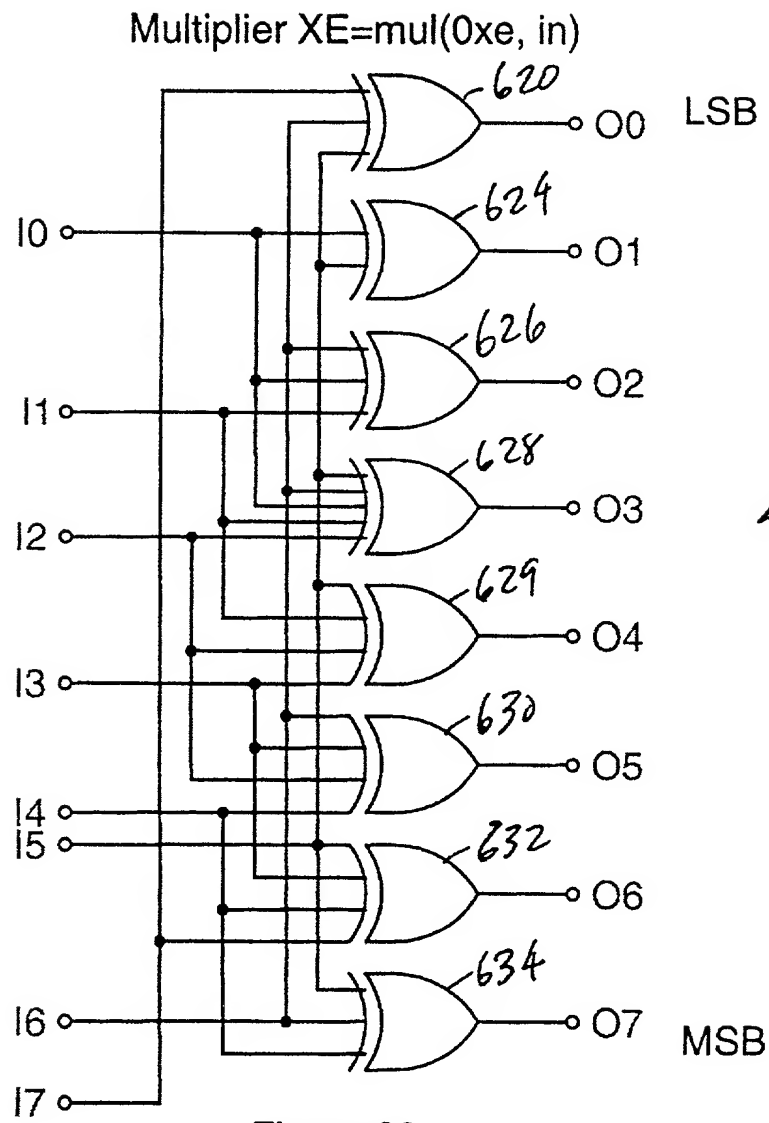


Figure 20

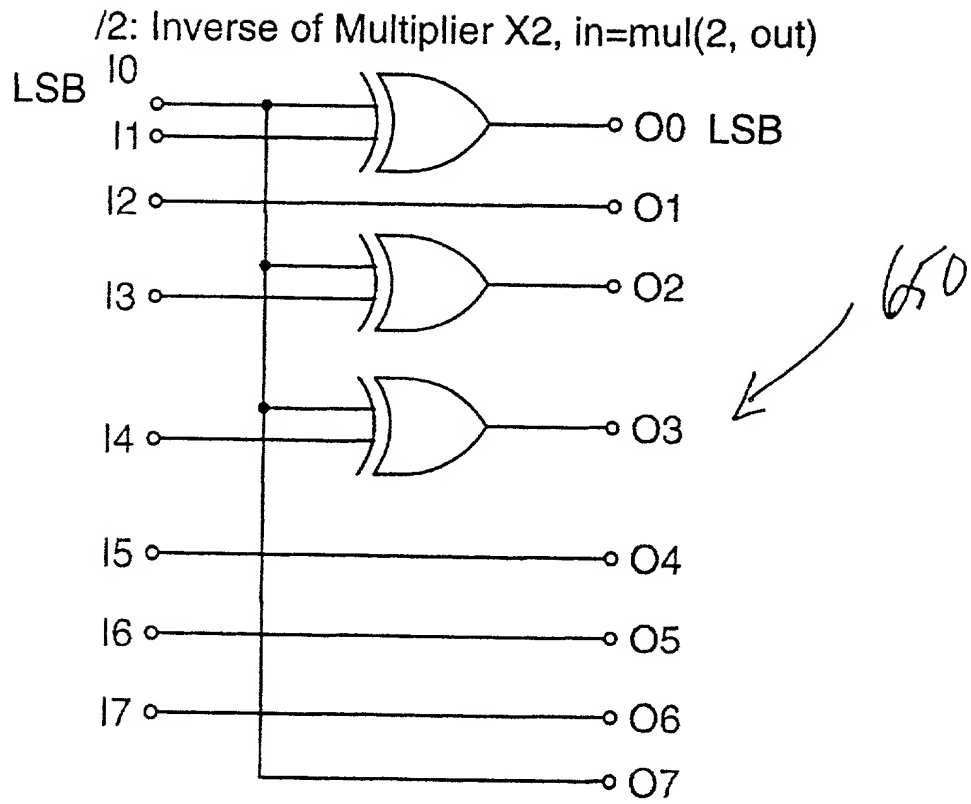


Figure 21

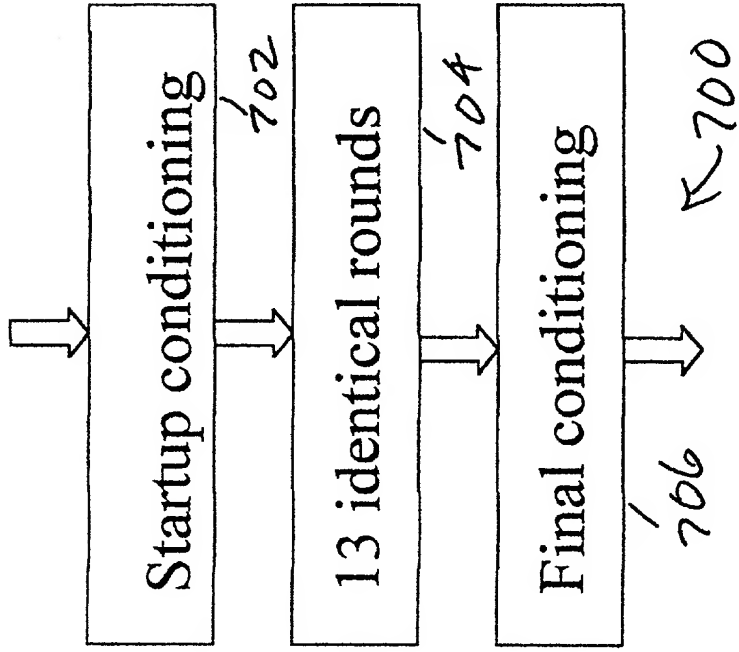


Fig. 22

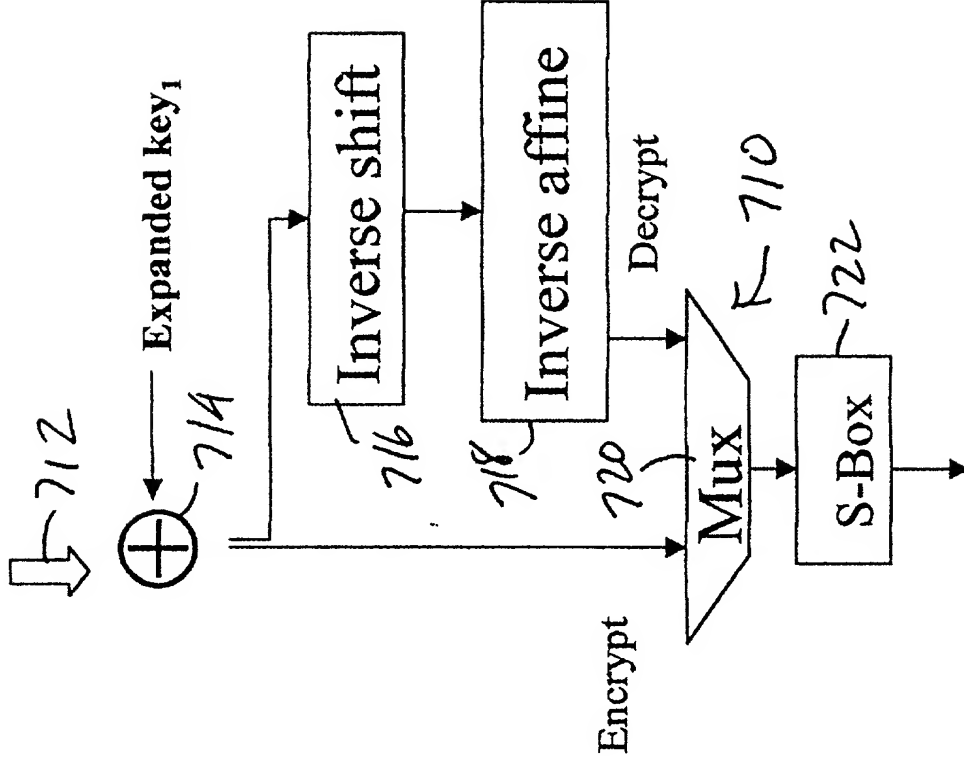


Fig. 23

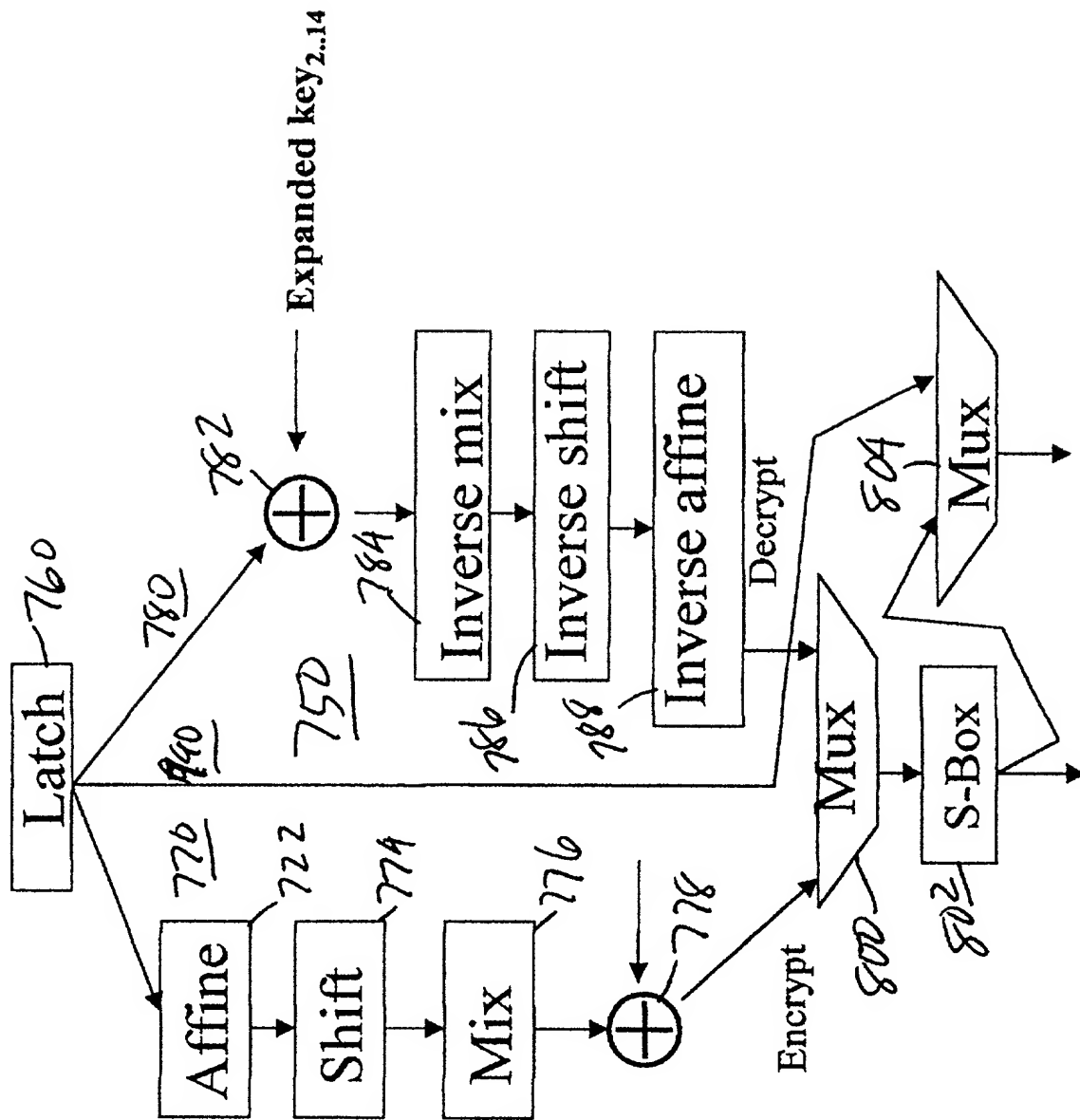


Fig. 24

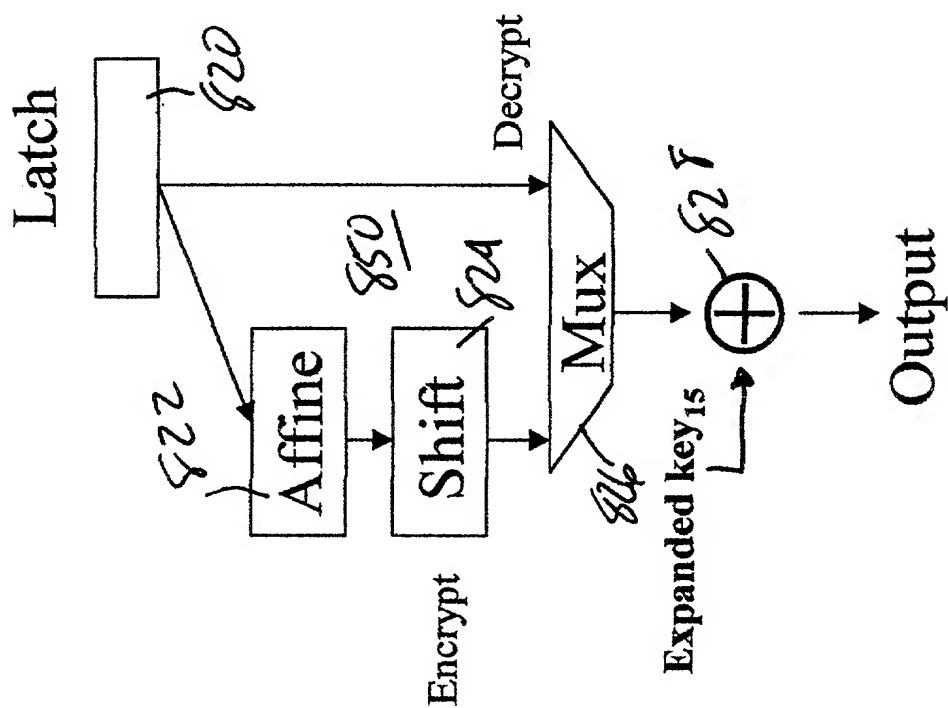


Fig. 25

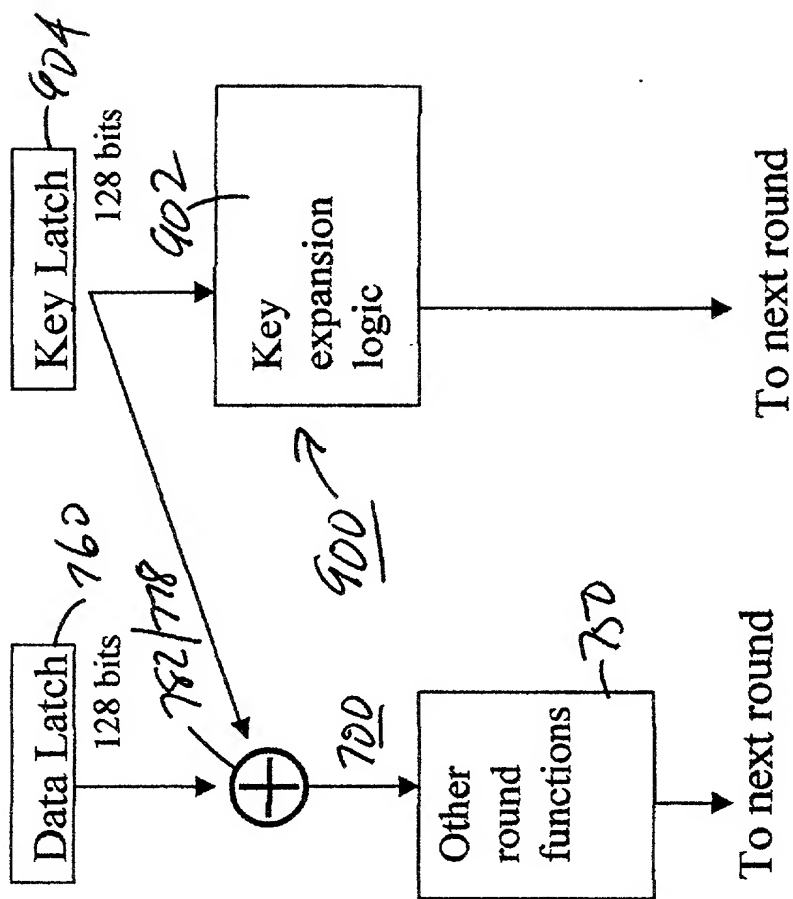


Fig. 26

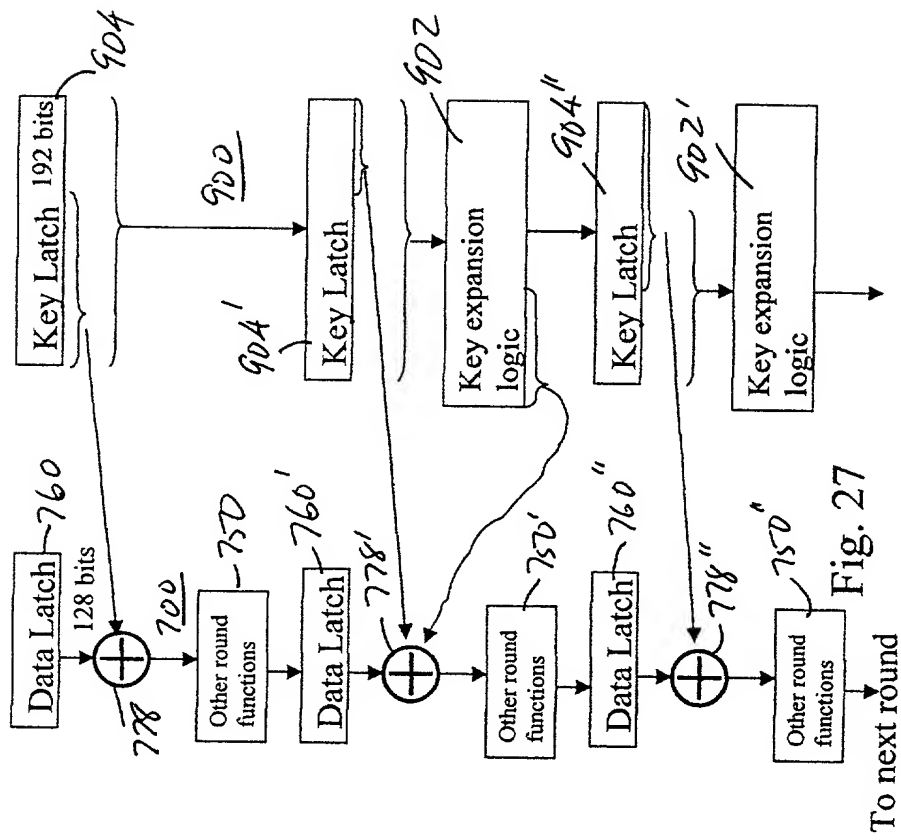
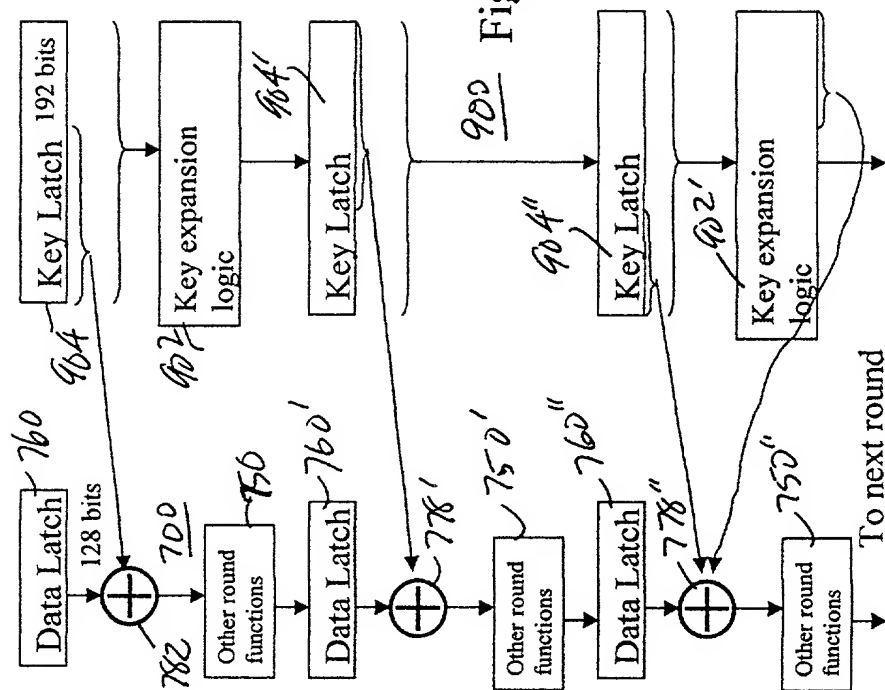


Fig. 27

To next round



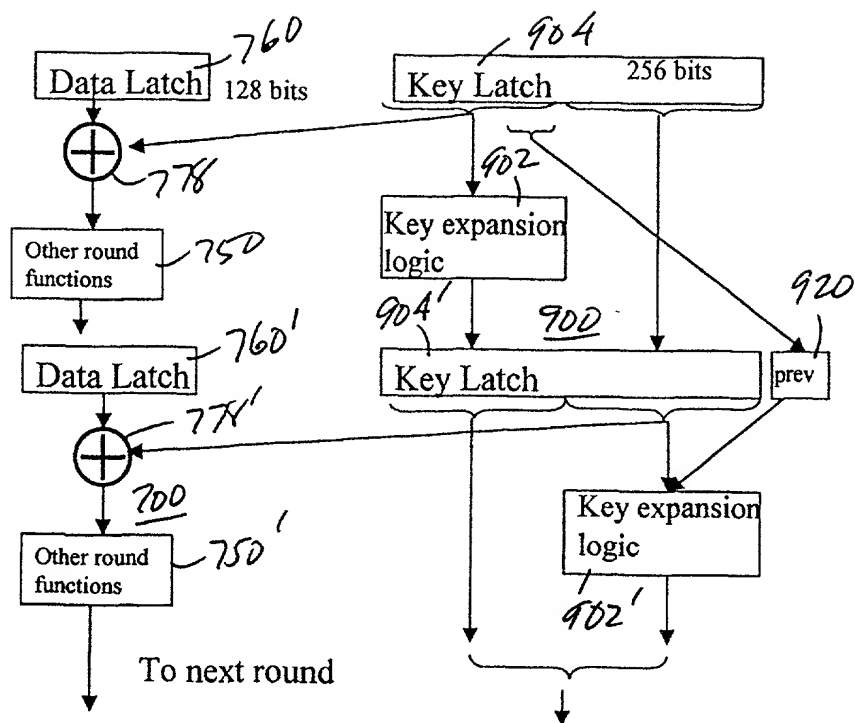
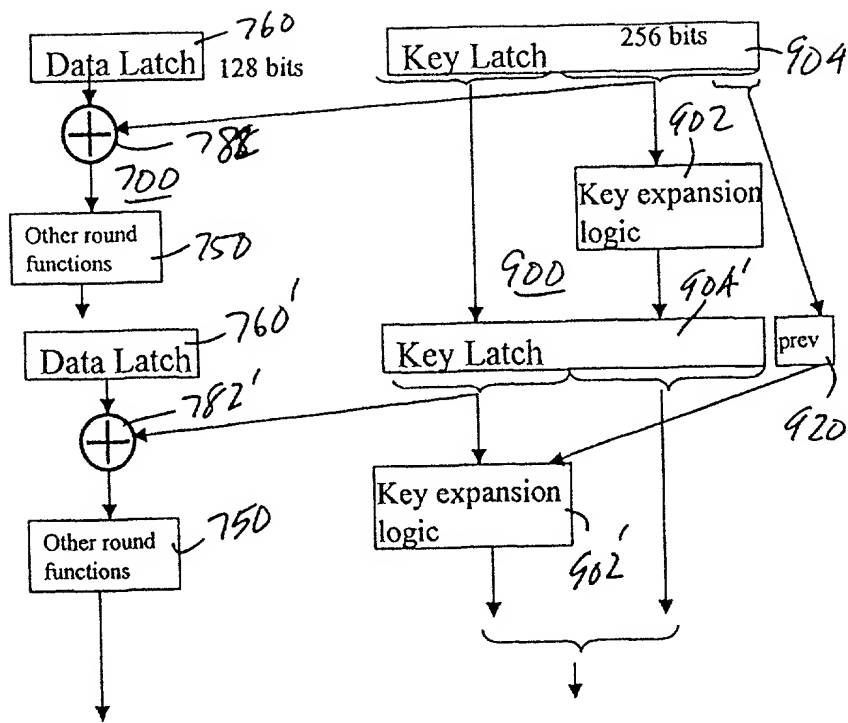


Fig. 29



To next round

Fig. 30

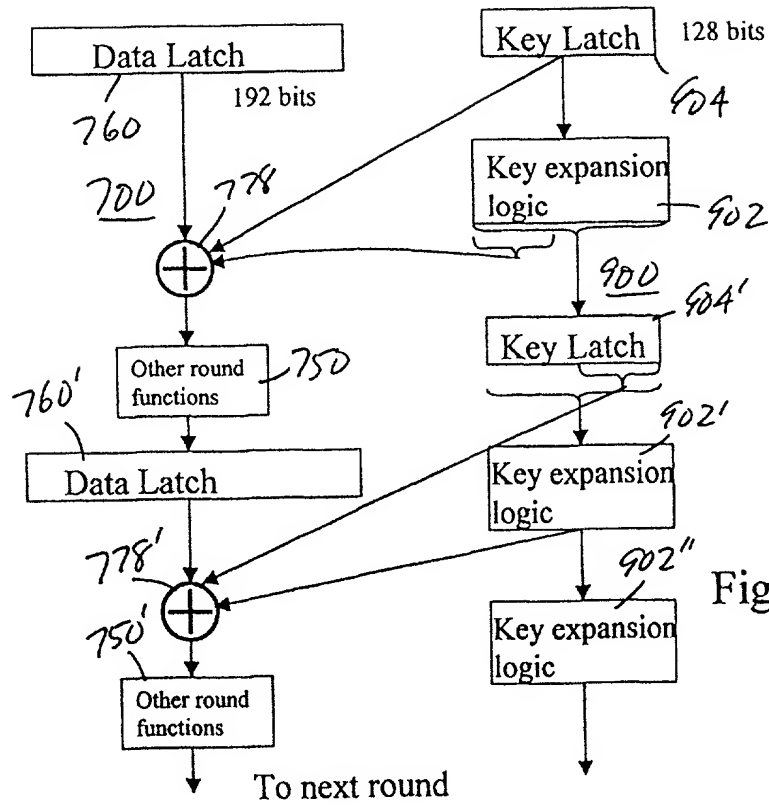


Fig. 31

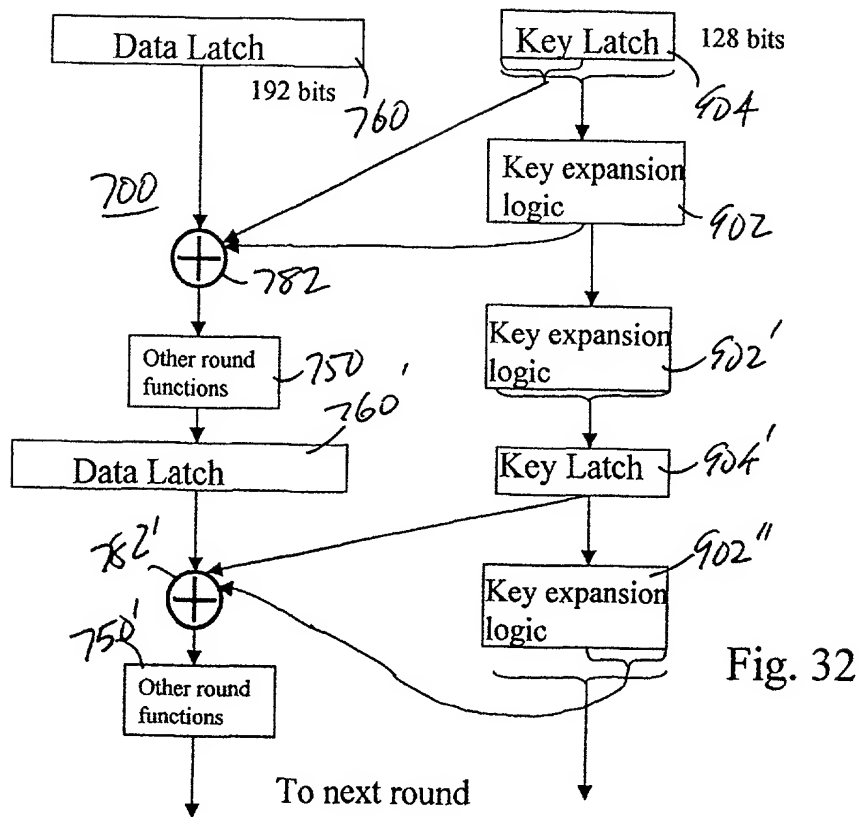


Fig. 32

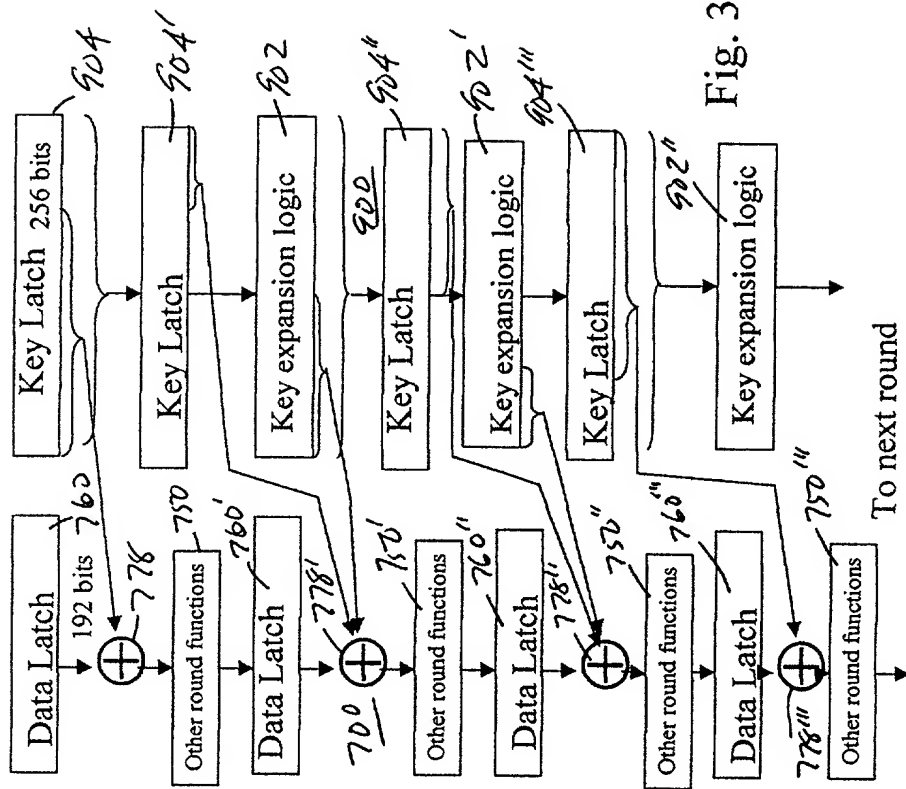


Fig. 34

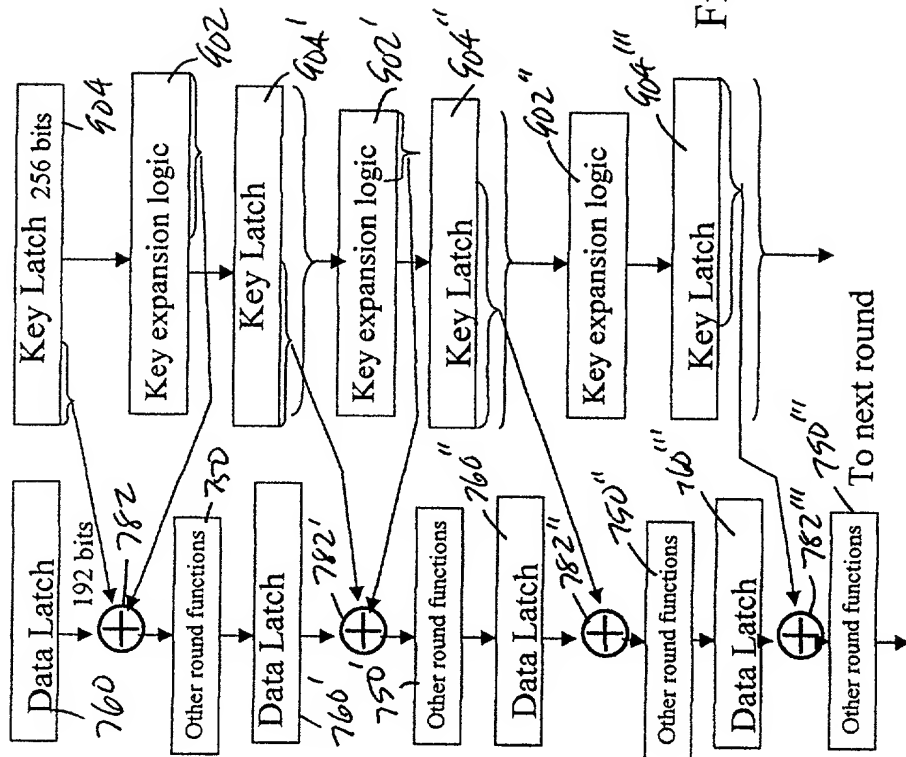


Fig. 35

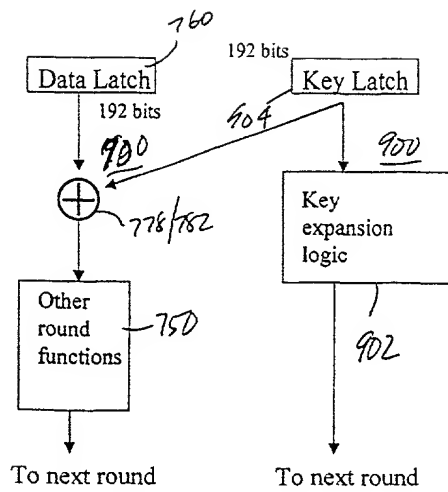


Fig. 33

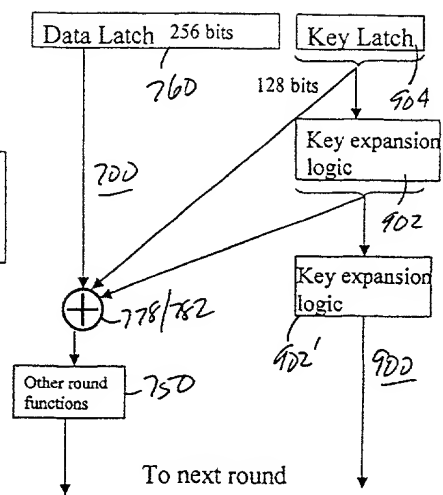
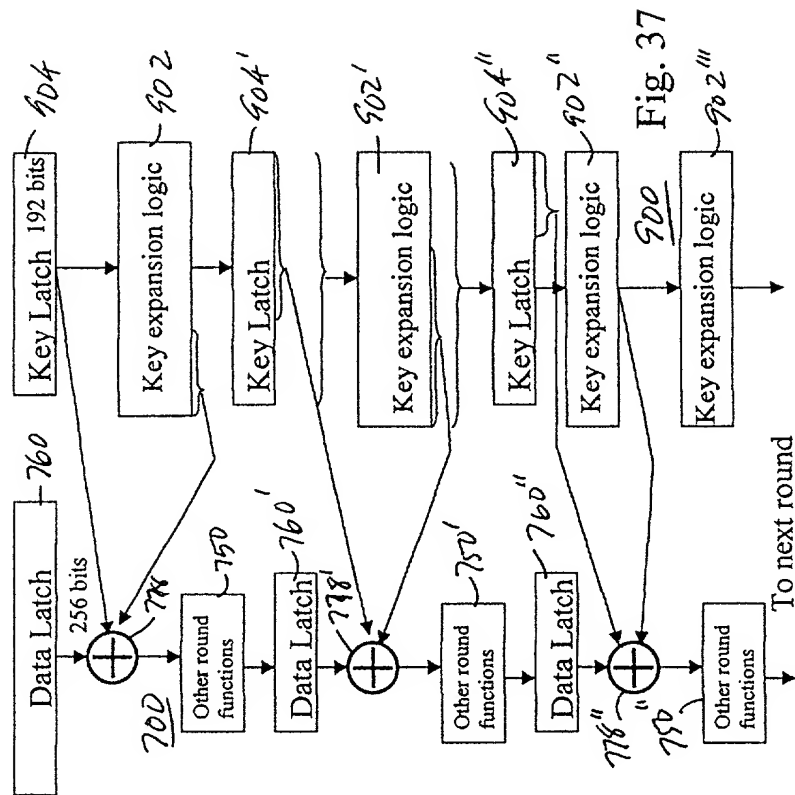


Fig. 36



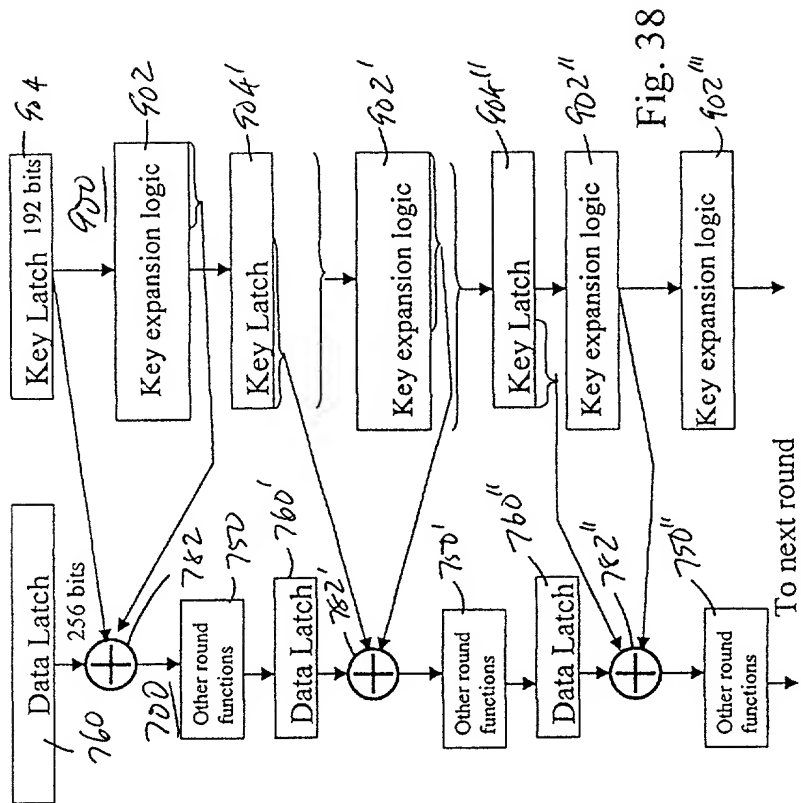


Fig. 38

Key expansion Logic

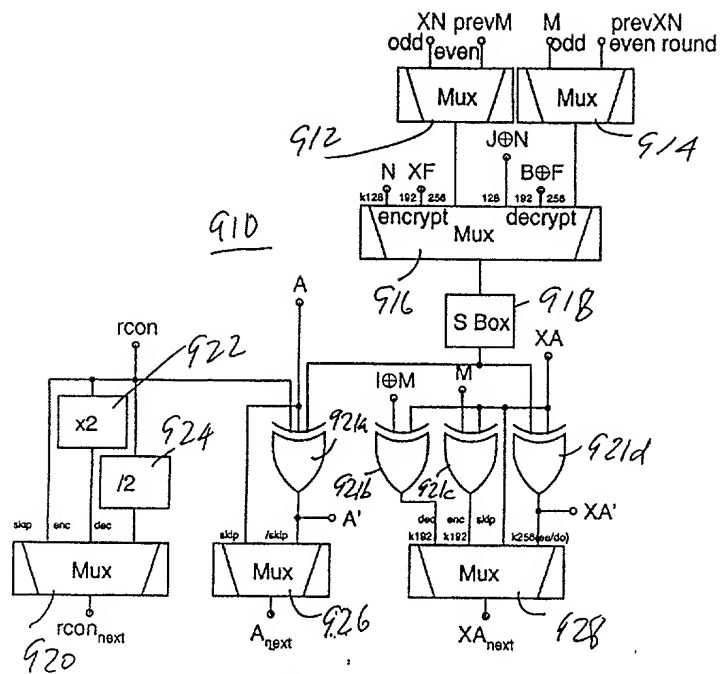
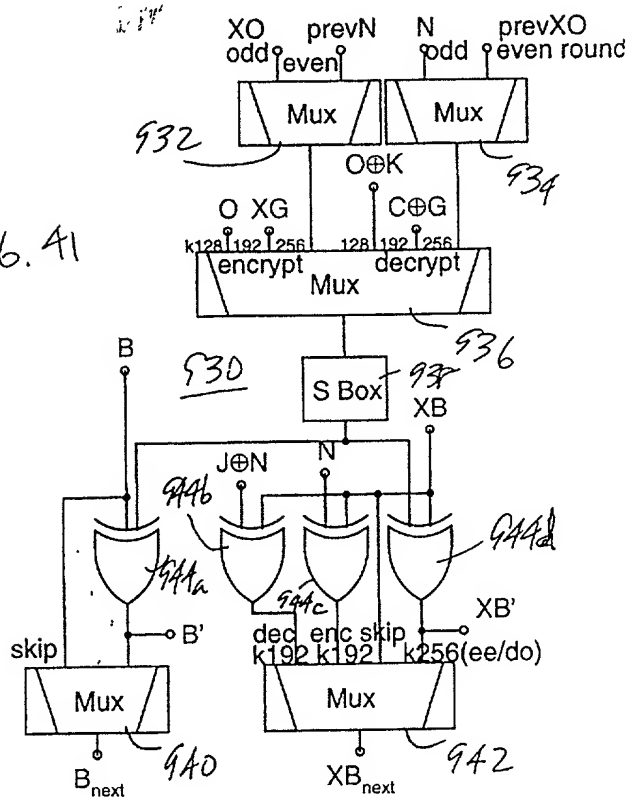


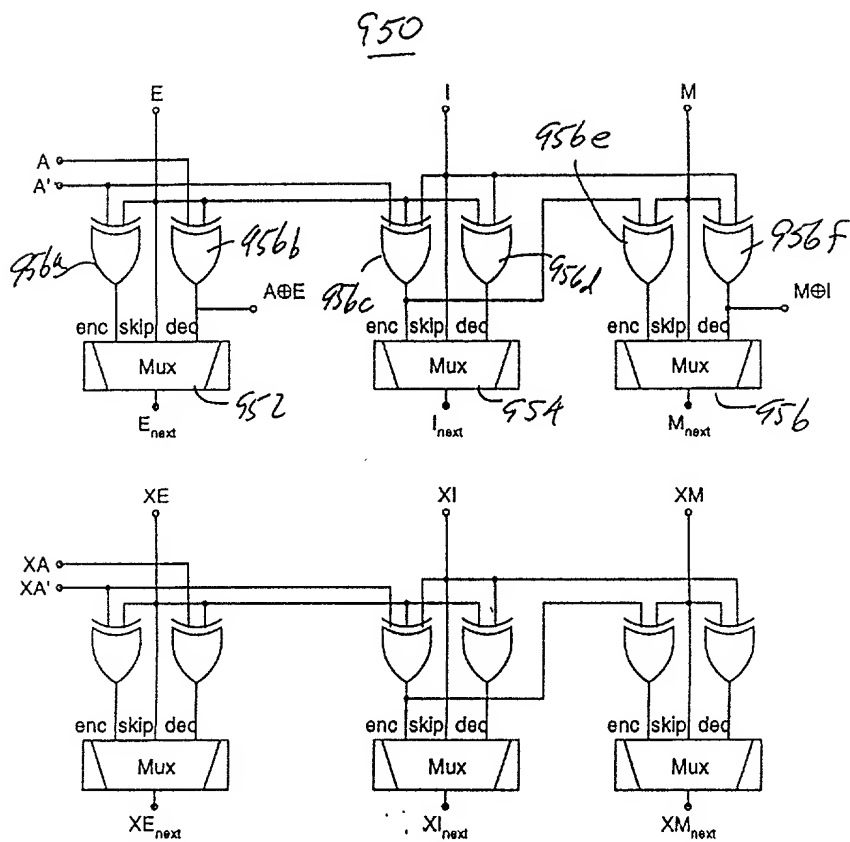
FIG. 4D

Key expansion Logic

FIG. 41

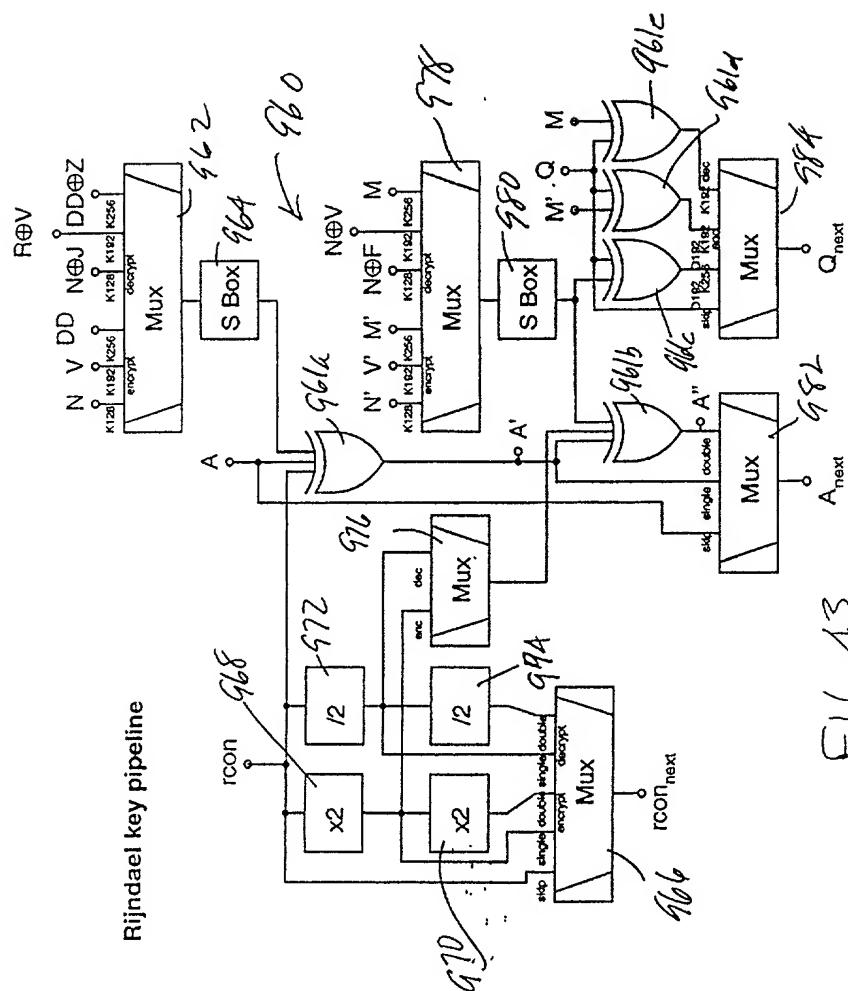


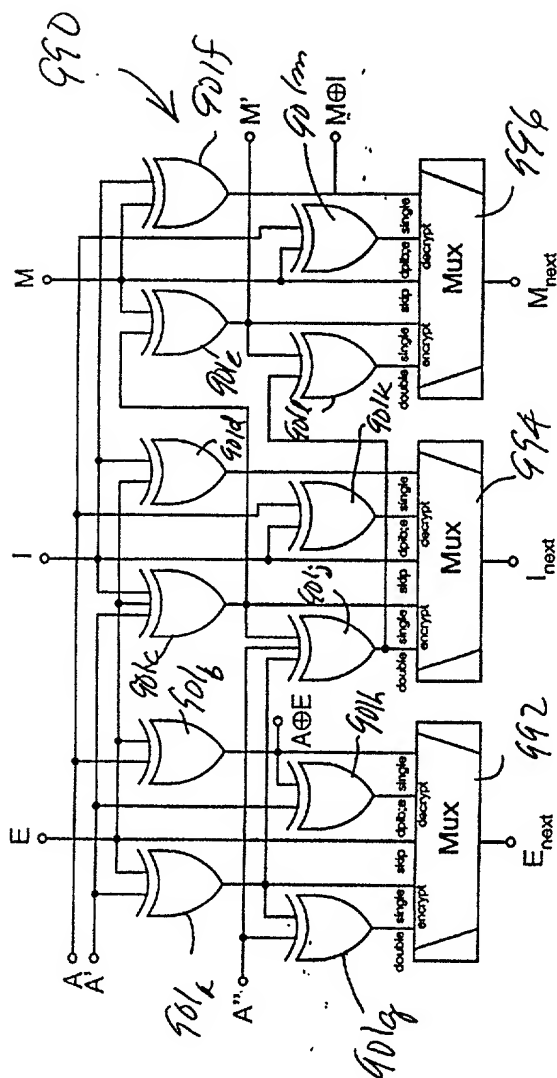
20140303 14:00:00



Key expansion Logic AES

F16.42





Rijndael Key Pipeline

FIG. 4

